

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 7-2005)TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

B-7252

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/566913**INTERNATIONAL APPLICATION NO.  
PCT/EP04/08492INTERNATIONAL FILING DATE  
07/28/2004PRIORITY DATE CLAIMED  
08/08/2003

## TITLE OF INVENTION

Aqueous, Acidic Solution and Method for Electrolytically Depositing Copper Coatings as Well as Use of Said Solution

## APPLICANT(S) FOR DO/EO/US

Wolfgang Dahms, Christian Carl Fels, Günther Bauer

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 23 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☒ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. **ER 034063305US**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.55) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/566913</div>	INTERNATIONAL APPLICATION NO. <div style="text-align: center;">PCT/EP04/08492</div>	ATTORNEY'S DOCKET NUMBER <div style="text-align: center;">B-7252</div>																																					
23. Other items or information: <div style="text-align: center;">Copy of PCT Request</div>																																							
The following fees have been submitted: 24. <input checked="" type="checkbox"/> Basic national fee ..... \$300 25. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ... \$0 All other situations... \$200 26. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the ISA as an International Searching Authority... \$100 International Search Report prepared by an ISA other than the US and provided to the applicant previously communicated to the US by the ISA... \$400 All other situations... \$500 <b>TOTAL OF 24, 25 and 26 =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CALCULATIONS</th> <th style="text-align: left;">PTO USE</th> </tr> </thead> <tbody> <tr> <td>\$ 300.00</td> <td></td> </tr> <tr> <td>\$ 200.00</td> <td></td> </tr> <tr> <td>\$ 400.00</td> <td></td> </tr> <tr> <td>\$ 900.00</td> <td></td> </tr> <tr> <td colspan="2" style="height: 50px;"></td> </tr> <tr> <td>\$ 0.00</td> <td></td> </tr> <tr> <td>\$ 0.00</td> <td></td> </tr> <tr> <td>\$ 0.00</td> <td></td> </tr> <tr> <td>\$ 1,150.00</td> <td></td> </tr> <tr> <td>\$ 0.00</td> <td></td> </tr> <tr> <td>\$ 1,150.00</td> <td></td> </tr> <tr> <td>\$ 0.00</td> <td></td> </tr> <tr> <td>\$ 1,150.00</td> <td></td> </tr> <tr> <td>\$ 40.00</td> <td></td> </tr> <tr> <td>\$ 1,190.00</td> <td></td> </tr> <tr> <td>Amount to be</td> <td>\$</td> </tr> <tr> <td>Amount to be</td> <td>\$</td> </tr> </tbody> </table>		CALCULATIONS	PTO USE	\$ 300.00		\$ 200.00		\$ 400.00		\$ 900.00				\$ 0.00		\$ 0.00		\$ 0.00		\$ 1,150.00		\$ 0.00		\$ 1,150.00		\$ 0.00		\$ 1,150.00		\$ 40.00		\$ 1,190.00		Amount to be	\$	Amount to be	\$
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Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total Sheets</th> <th>Extra Sheets</th> <th>Number of each additional 50 or fraction thereof (round up to a whole)</th> <th>RATE</th> </tr> </thead> <tbody> <tr> <td>11 - 100 =</td> <td>0 / 50 =</td> <td>0</td> <td>x \$250.00</td> </tr> </tbody> </table>		Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE	11 - 100 =	0 / 50 =	0	x \$250.00	Surcharges of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>25 - 20 =</td> <td>5</td> <td>x \$50.00</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> <td>x \$200.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00</td> </tr> </tbody> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	25 - 20 =	5	x \$50.00	Independent claims	1 - 3 =	0	x \$200.00	MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00															
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Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). <b>TOTAL NATIONAL FEE =</b>		Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +																																					
<b>TOTAL FEES ENCLOSED =</b>		<b>TOTAL OF ABOVE CALCULATIONS =</b>																																					
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		<b>SUBTOTAL =</b>																																					

10/566913

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

APR 21 2006  
PTO 03 FEB 2006

- a. ☒ A check in the amount of \$ \$1,190.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 05-0208. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

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Telephone: (610) 935-2300

SIGNATURE

Frank J. Bonini, Jr.

NAME

35,452

REGISTRATION NUMBER

DATE

2/3/06

10/566913

IAP20 Rec'd PCT/PTO 03 FEB 2006

Docket No. 7252

In re Application:

Wolfgang Dahms; Christian Carl Fels; Günther Bauer

Based on: International Application No. PCT/EP2004/008492

International Filing Date: July 28, 2004

Claiming a Priority Date of August 8, 2003;

For: AQUEOUS, ACIDIC SOLUTION AND METHOD FOR ELECTROLYTICALLY  
DEPOSITING COPPER COATINGS AS WELL AS USE OF SAID SOLUTION

**CERTIFICATE OF MAILING BY  
EXPRESS MAIL UNDER 37 CFR SECTION 1.10**

I hereby certify that these papers and fee are being deposited with the United States Postal Service "Express Mail Post Office Addressee" service under 37 CFR Section 1.10 on the date indicated hereon, and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Number of Express Mail Mailing Label: **ER 034063305 US**

Date of Deposit with Postal Service: February 3, 2006

  
\_\_\_\_\_  
Frank J. Bonini, Jr.  
Reg. No. 35,452